

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1207882

Luminaire Tested: UPW-SA1-030-750-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207882
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2211-834-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-750-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4723 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

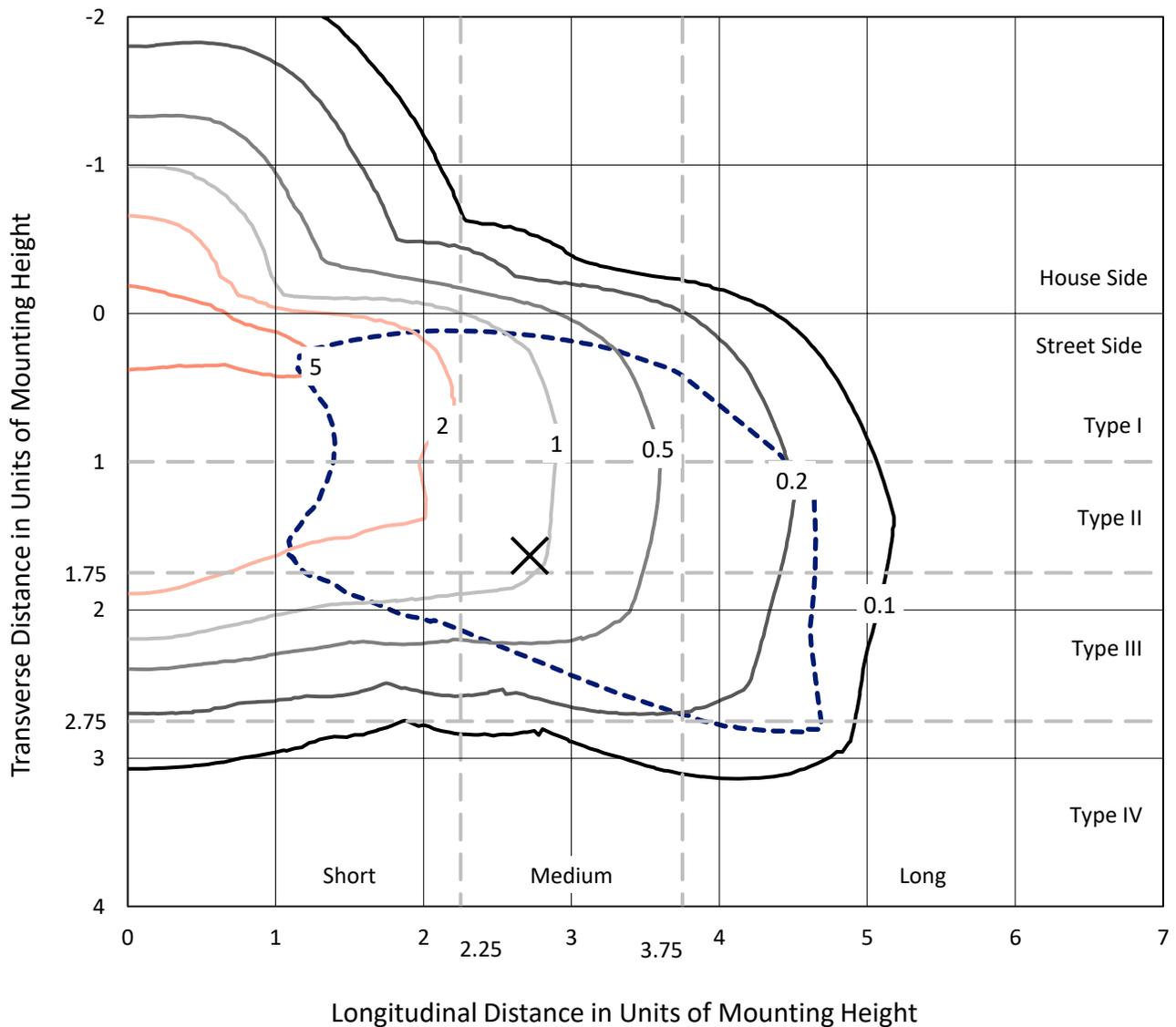


REPORT NUMBER: P1207882

CATALOG NUMBER: UPW-SA1-030-750-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

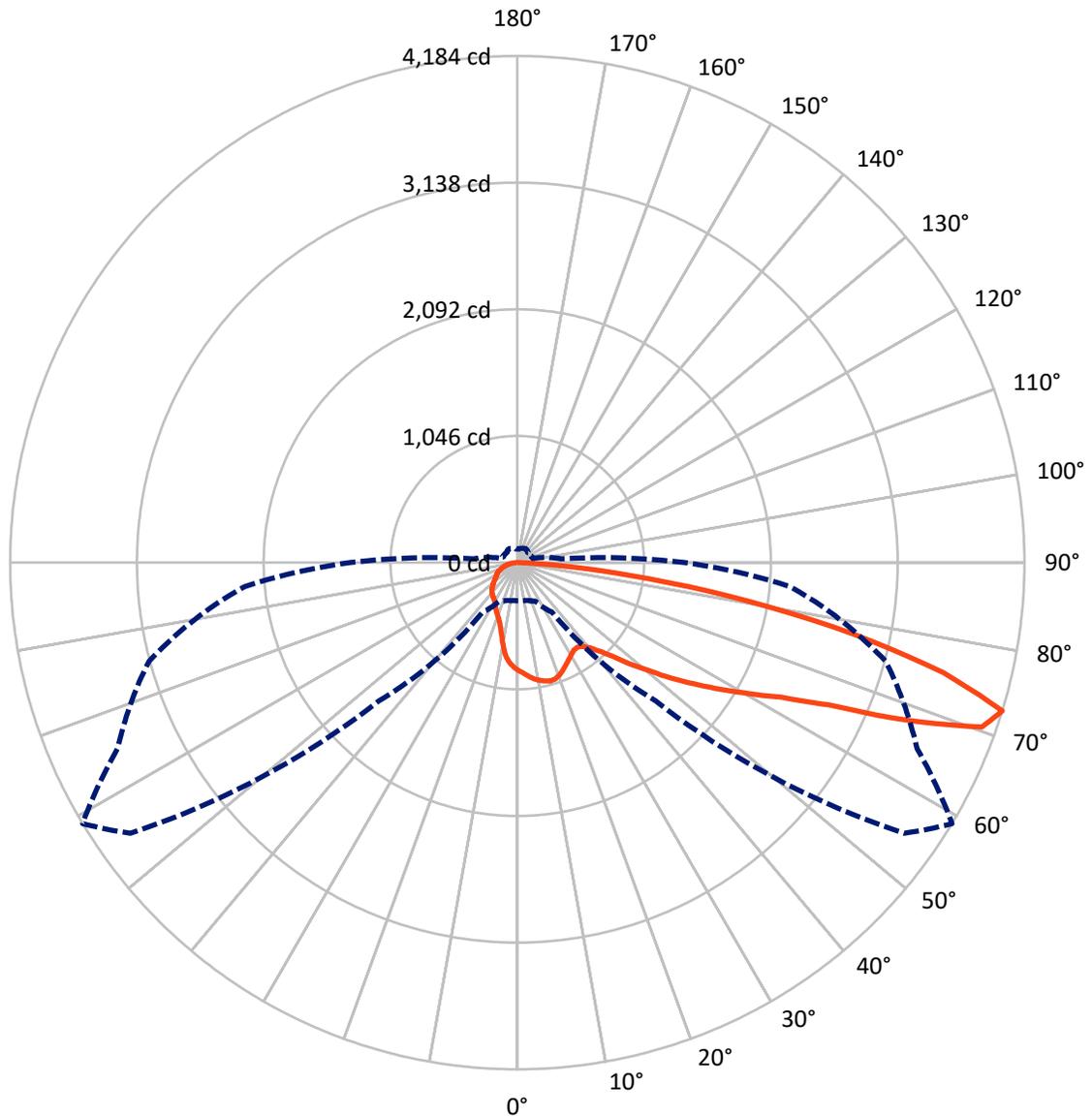


Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P1207882

CATALOG NUMBER: UPW-SA1-030-750-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	803.7	0.0	803.7
	% Fixture	17.0	0.0	17.0
Street Side	Lumens	3919.3	0.0	3919.3
	% Fixture	83.0	0.0	83.0
Total	Lumens	4723.0	0.0	4723.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	1.7
10°-20°	204.0	4.3
20°-30°	300.0	6.4
30°-40°	412.2	8.7
40°-50°	615.8	13.0
50°-60°	938.4	19.9
60°-70°	1202.8	25.5
70°-80°	831.5	17.6
80°-90°	138.3	2.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4723.0	100.0
0°-180°	4723.0	100.0



REPORT NUMBER: P1207882

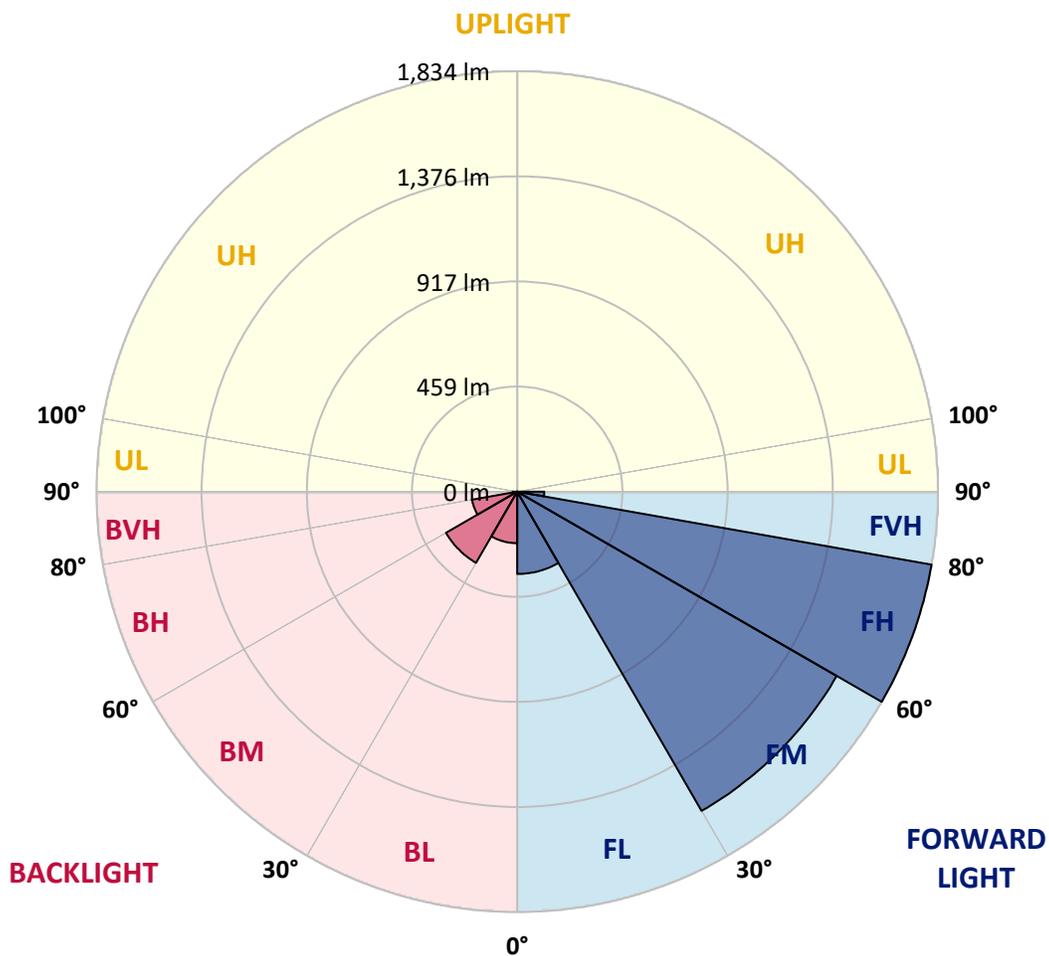
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	359.1	7.6			
FM	(30°-60°)	1608.0	34.0			
FH	(60°-80°)	1834.2	38.8			G2/5000
FVH	(80°-90°)	118.0	2.5			G2/225
BL	(0°-30°)	224.9	4.8	B1/500		
BM	(30°-60°)	358.4	7.6	B1/1000		
BH	(60°-80°)	200.0	4.2	B1/500		G1/500
BVH	(80°-90°)	20.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





REPORT NUMBER: P1207882

CATALOG NUMBER: UPW-SA1-030-750-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	889.2	889.2	889.2	889.2	889.2	889.2	889.2	889.2	889.2	889.2	889.2
2.5°	927.2	924.6	925.9	927.9	922.6	923.3	916.7	911.5	907.6	904.9	899.1
5°	950.1	943.6	946.2	952.1	946.2	951.4	944.2	940.3	933.8	929.8	916.7
7.5°	931.1	926.6	933.1	948.2	955.4	969.1	970.4	967.8	965.2	956.7	940.3
10°	843.4	840.8	857.8	897.7	931.1	964.5	986.8	986.8	988.1	982.2	962.6
12.5°	732.1	730.1	752.4	801.5	867.0	943.6	996.6	1002.5	1013.0	1011.0	986.1
15°	658.1	656.8	674.5	713.7	781.2	889.9	995.3	1015.0	1036.6	1041.1	1010.4
17.5°	620.1	620.1	632.5	662.7	709.2	815.2	966.5	1009.7	1053.6	1075.2	1037.9
20°	609.6	608.3	615.5	633.9	665.9	748.4	923.3	991.4	1066.7	1102.7	1055.6
22.5°	614.9	613.6	616.2	625.3	643.7	703.9	876.8	963.9	1073.9	1126.9	1071.3
25°	640.4	639.1	635.8	635.2	639.1	683.0	829.6	933.1	1081.1	1161.6	1090.3
27.5°	690.2	686.2	675.1	664.6	654.2	678.4	799.5	905.6	1090.3	1190.4	1102.0
30°	754.3	753.0	739.3	719.6	684.9	688.9	780.5	880.1	1090.3	1212.7	1101.4
32.5°	801.5	802.1	799.5	787.7	738.6	712.4	773.3	859.1	1088.3	1243.5	1104.0
35°	851.3	851.3	844.7	844.7	812.6	758.3	783.8	857.1	1099.4	1294.6	1123.0
37.5°	935.7	934.4	920.7	906.9	883.3	832.3	814.6	876.1	1130.2	1376.4	1148.5
40°	1047.0	1049.7	1021.5	983.5	956.0	918.0	872.2	924.6	1178.0	1474.0	1181.3
42.5°	1181.3	1188.5	1144.6	1092.2	1044.4	994.7	952.7	1001.9	1262.5	1612.8	1237.6
45°	1346.3	1339.1	1284.1	1214.0	1151.2	1066.7	1041.1	1102.0	1372.5	1800.7	1324.0
47.5°	1489.7	1493.6	1426.2	1349.6	1271.6	1154.4	1153.1	1248.7	1517.8	1993.2	1423.6
50°	1629.2	1640.9	1566.3	1485.8	1402.6	1252.6	1294.6	1394.1	1673.7	2189.7	1546.7
52.5°	1738.5	1746.4	1677.0	1607.6	1525.0	1382.3	1461.5	1580.7	1831.5	2377.6	1688.1
55°	1825.0	1836.1	1758.2	1700.5	1637.7	1523.7	1652.7	1764.7	1995.2	2552.4	1832.8
57.5°	1942.2	1948.7	1850.5	1800.1	1741.1	1684.8	1862.9	1971.6	2170.7	2701.1	1982.8
60°	2031.9	2035.8	1934.3	1918.6	1917.3	1906.8	2096.7	2193.6	2335.7	2839.9	2136.0
62.5°	1953.9	1953.9	1883.9	1927.8	2086.9	2271.5	2420.8	2449.6	2506.0	2974.8	2283.3
65°	1548.0	1563.7	1571.5	1718.9	2074.4	2644.8	2958.4	2831.4	2718.8	3098.6	2403.8
67.5°	812.6	844.0	916.7	1170.8	1710.4	2781.0	3647.3	3479.0	3020.6	3181.7	2450.9
70°	413.8	423.0	461.0	603.1	1076.5	2422.8	4056.5	4066.4	3380.8	3217.7	2416.9
72.5°	314.3	314.3	322.8	351.0	497.7	1616.1	3896.1	4183.6	3638.8	3145.0	2256.5
75°	261.9	265.2	282.2	286.2	251.4	838.8	3160.1	3629.6	3364.4	2878.5	1971.0
77.5°	210.2	212.2	239.0	254.7	169.6	358.8	2304.3	2832.7	2594.4	2326.5	1388.2
80°	158.5	161.7	186.0	218.1	125.7	172.2	1552.6	1937.6	1623.3	1426.2	641.1
82.5°	106.1	107.4	127.0	172.2	93.0	95.6	914.8	1085.7	789.0	534.3	168.3
85°	64.8	66.1	79.2	111.3	61.6	51.1	406.0	419.7	249.5	127.0	60.2
87.5°	29.5	32.7	41.3	53.7	30.8	21.0	68.1	66.8	49.1	45.8	25.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1207882

CATALOG NUMBER: UPW-SA1-030-750-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	889.2	889.2	889.2	889.2	889.2	889.2	889.2	889.2	889.2	889.2	889.2
2.5°	890.5	883.3	876.1	866.3	857.8	843.4	833.6	823.7	818.5	817.2	815.2
5°	906.3	893.8	872.9	845.4	815.2	781.2	749.1	720.9	702.0	696.1	698.7
7.5°	924.6	906.9	865.7	812.6	751.7	684.9	628.6	591.9	569.0	555.9	558.6
10°	941.0	915.4	849.9	760.9	656.8	573.0	528.4	502.9	491.1	489.8	489.1
12.5°	957.3	923.9	825.7	686.9	571.6	505.5	483.2	476.0	474.7	476.0	475.4
15°	976.3	928.5	784.5	610.3	511.4	477.4	470.2	468.2	468.8	472.1	471.5
17.5°	992.0	926.6	720.3	540.9	479.3	463.6	457.1	453.8	457.1	462.9	462.9
20°	997.3	907.6	646.3	492.4	461.6	448.5	439.4	434.1	438.1	445.3	446.6
22.5°	993.3	871.5	570.3	458.4	443.3	430.9	421.0	415.8	417.8	423.0	423.7
25°	987.5	824.4	503.5	432.2	419.7	409.9	407.3	400.7	397.5	400.7	401.4
27.5°	969.8	762.2	448.5	405.3	393.5	394.8	393.5	387.6	383.1	382.4	383.7
30°	930.5	675.8	407.3	377.8	373.9	381.1	381.1	372.6	364.1	362.8	364.7
32.5°	883.3	587.4	373.2	354.9	362.8	366.7	366.7	359.5	351.0	345.7	348.4
35°	836.8	503.5	347.0	339.2	354.3	357.5	354.3	351.6	337.9	324.8	328.1
37.5°	783.2	431.5	324.1	327.4	344.4	345.7	345.7	336.6	318.2	307.1	309.7
40°	724.9	377.2	305.1	316.9	334.0	334.0	328.7	322.8	313.7	302.5	303.8
42.5°	687.5	340.5	290.7	305.8	317.6	321.5	309.7	314.3	306.5	294.7	296.0
45°	682.3	317.6	278.9	288.8	299.2	297.9	298.6	301.9	294.7	278.9	278.3
47.5°	714.4	310.4	267.8	269.8	278.9	283.5	287.5	288.8	278.3	261.3	258.6
50°	785.8	322.8	256.7	252.8	260.6	271.1	275.0	277.0	264.5	246.9	244.2
52.5°	895.8	361.5	246.9	238.4	237.7	256.0	267.2	272.4	252.8	233.8	232.5
55°	1017.6	413.8	233.8	225.9	218.7	244.2	260.6	266.5	241.6	216.7	214.8
57.5°	1147.2	476.0	218.7	213.5	205.0	233.1	248.8	253.4	224.6	196.4	195.1
60°	1282.8	531.7	204.3	199.7	195.1	218.1	234.4	235.7	208.9	180.7	179.4
62.5°	1405.2	569.7	190.5	185.3	185.3	200.4	217.4	216.1	192.5	166.3	165.0
65°	1495.6	565.1	178.1	171.6	174.2	181.4	196.4	191.9	174.8	152.6	151.3
67.5°	1532.3	516.6	166.3	159.1	159.8	161.7	174.2	170.9	157.2	138.8	138.2
70°	1494.3	429.6	151.3	142.1	140.8	141.4	153.9	148.0	138.2	126.4	125.7
72.5°	1381.0	360.1	134.2	126.4	123.8	121.8	132.3	129.7	122.4	112.6	113.3
75°	1210.7	311.0	115.9	110.7	106.1	104.1	112.6	111.3	106.1	99.5	99.5
77.5°	846.0	227.2	95.6	93.6	91.0	87.1	93.6	94.3	91.0	89.1	88.4
80°	366.7	127.0	75.3	76.6	73.3	70.7	76.0	76.6	79.2	76.6	77.3
82.5°	106.1	62.9	54.3	58.3	57.0	54.3	57.0	62.9	58.9	51.7	53.0
85°	39.3	30.1	34.1	36.7	34.7	27.5	36.0	41.3	37.3	34.7	35.4
87.5°	15.1	11.1	14.4	12.4	9.8	7.2	12.4	13.8	18.3	7.2	5.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)